RECEIVED

JUL 10 3 10 PM '85PS-T-42

BEFORE THE POSTAL RATE COMMISSION OFFICE OF THE SECRETARY POSTAL RATE COMMISSION WASHINGTON, DC 20268-0001

Postal Rate and Fee Changes, 1997

Docket No. R97-1

DIRECT TESTIMONY OF JOHN V. CURRIE ON BEHALF OF UNITED STATES POSTAL SERVICE

## **Table of Contents**

Autobiographical Sketch	ij
I. Purpose of Testimony	1
II. Current Postal Service Regulations for Mailable Hazardous  Materials	3
III. Additional Costs Due to Hazardous Materials	6
A. Industry Practices and Costs	
B. Postal Service Practices and Costs	
IV. Hazardous Materials Charges Imposed By Other Carriers	12
V. Classification Criteria	14
VI. Proposed Surcharges, Pricing Criteria, and Volumes Affected	15
A. Proposed Surcharges and Pricing Criteria	
B. Volumes Subject to the Surcharges and Financial Impact	
VII. Conclusion	18
Appendix A. Volume and Revenue Assumptions	<b>۱-1</b>

## **Autobiographical Sketch**

My name is John V. Currie. Since 1990, I have served as President of Currie Associates, Inc., the primary business of which is the worldwide provision of consulting, training, and auditing services related to the transportation of dangerous goods. Prior to founding Currie Associates, I served as Corporate Manager of Hazardous Materials Transportation for the Digital Equipment Corporation, as Director of Safety for the American Trucking Associations, and as supervisor for the New York State Police Hazardous Materials Enforcement Unit. I have served as a member of the Board of Directors of the Hazardous Materials Advisory Council and on the Hazardous Materials Committee of the Transportation Research Board of the National Academy of Sciences. I have observed the handling of hazardous materials in a variety of postal facilities, including Bulk Mail Centers (BMCs), Processing and Distribution Centers (P&DCs), and Associate Offices (AOs).

## I. Purpose of Testimony

My testimony describes the Postal Service proposal to establish surcharges for the handling of two types of hazardous materials: (1) specified types of Hazardous Medical Materials (HMM), generally mailed as First-Class Mail, Priority Mail, or Express Mail; and (2) Other Mailable Hazardous Materials (OMHM), generally mailed as surface parcels.<sup>1</sup>

The proposed surcharges recognize the special costs of handling these materials, improve the alignment of prices with costs, increase the conformity of the Postal Service price structure with industry standards, and provide a means of improving Postal Service data on these materials.

I refer to and briefly summarize current Postal Service regulations related to the acceptance and handling of hazardous materials, and I specify the materials subject to each of the proposed surcharges. I then provide an overview of the special methods and procedures used by private sector carriers for handling and transporting these materials. These methods have become increasingly stringent and costly in recent years as knowledge, awareness, and concern about the risks these materials may pose have increased. I also describe the current handling environment in which these items are processed by the Postal Service and discuss the various types of additional costs that the Postal Service incurs due to the presence of these items in the mail.

<sup>&</sup>lt;sup>1</sup>For certain materials, limited quantities are permitted to be transported by air, in which case these materials may also be mailed as First-Class Mail, Priority Mail, or Express Mail.

Next, I review the hazardous materials surcharges imposed by privatesector carriers such as United Parcel Service and Federal Express. Though
lower than these competitors' surcharges, the surcharges proposed herein help
offset both the routine additional costs associated with such materials and the
costs of clean-up activities that are required whenever a spill or breakage occurs.
Finally, I evaluate the proposed classifications and surcharges with respect to
the criteria in sectionss 3623(c) and 3622(b) of the Postal Reorganization Act.

## II. Current Postal Service Regulations for Mailable Hazardous Materials

The Postal Service authorizes the acceptance of numerous hazard classes of hazardous materials in mailable quantities, as described in the Domestic Mail Manual (DMM) §§C021, C023, and C024.<sup>2</sup> These materials must be prepared according to specific postal regulations detailed in Publication 52, Acceptance of Hazardous, Restricted, or Perishable Matter. These regulations prescribe limitations on the mailability of certain hazard classes and further prescribe documentation and packaging requirements that apply to each hazard class. Additional requirements applicable to transportation by air also appear in Publication 52 at Chapter 6.

Hazardous materials in the mail are a cause of concern because of risks they present to other mail, to individuals who handle mail, and to mail processing equipment. These risky yet mailable materials include paints, inks, perfumes, solvent cleaners, small aerosol dispensers, medical wastes, etiologic agents, and diagnostic specimens bound for laboratory testing. In some cases the hazardous materials may meet the 49 CFR §171.8 definition of a "consumer commodity." This term applies to many hazardous materials when they are packaged in a limited quantity and intended for personal care or household use.

Reports tendered by postal facilities indicate that while spills or leaks are infrequent and rarely injurious, they significantly increase the operational costs

<sup>&</sup>lt;sup>2</sup>Copies of the postal materials cited in this section are included in Library Reference PCR-26 filed in connection with Docket No. MC97-2

associated with the collection, handling, and distribution of mail. Management Instructions (MIs) are distributed to all Postal Service facilities and include instructions on proper response to hazardous materials releases. See EL-810-96-1 and EL-810-96-2 in Library Reference PCR-26. These instructions include policies of the Postal Service on preventing incidents, developing Emergency Action Plans and Emergency Response Plans, cleaning up spills, responding to exposures and/or injuries involving hazardous materials, and filing Hazardous Materials Incident Reports (Forms 1770). Employees engaged in the cleanup of incidental spills and leaks involving mailed hazardous materials must be provided with certain personal protective equipment (PPE) and training on how to use it. All employees are required to be provided training on emergency action plans and specialized employees must be trained to different levels of response as specified in the HAZWOPER<sup>3</sup> First Responder requirements. See EL-810-96-1 at 15-16. In addition, the Postal Service is required by federal and some state environmental regulations to provide appropriate responses to releases of hazardous materials to the environment. Safety and Risk Management at Postal Service Headquarters coordinates with Business Mail Acceptance to determine the mailability of hazardous materials and any associated special packaging requirements.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

Over the past ten years, the Occupational Safety and Health

Administration (OSHA), the Environmental Protection Agency (EPA), and the

<sup>&</sup>lt;sup>3</sup>HAZWOPER stands for Hazardous Waste Operations and Emergency Response (OSHA standard 29 CFR 1910.120)

International Air Transport Association (IATA) have instituted and strengthened training requirements related to hazardous materials. This has resulted in increased costs for training, equipment, and medical surveillance even though there have been no significant changes in the materials the Postal Service accepts for mailing.

#### Proposed Surcharges

The Postal Service is proposing two surcharges for these mailable hazardous materials. The proposed Hazardous Medical Materials surcharge applies to the six categories of material currently described in DMM §C023.10.2a-f; these are (a) etiologic agents, (b) etiological agent preparations, (c) clinical (or diagnostic) specimens, (d) biological products, (e) sharps, and (f) other medical devices. The packaging, labeling, and quantity requirements for medical items that a customer must meet before the Postal Service will accept them for shipment are found in DMM §§C021, C023.10.3 - 10.7, and in Publication 52.

The proposed Other Mailable Hazardous Materials surcharge applies to those mailable items described in DMM §\$C023.1.0 - 6.0 and 9.0. These include a wide range of materials with varying restrictions on acceptable quantities, labeling and packaging requirements, and allowable modes of transportation. additional detail is provided in Publication 52.

Acceptance regulations for the domestic shipment of these hazardous materials are in DMM §§C021, C023, C024, and in Publication 52.

## III. Additional Costs Due to Hazardous Materials

## A. Industry Practices and Costs

Carriers by all modes of transportation have experienced an increase in operational costs associated with the transportation of hazardous materials. The common systems utilized by private sector carriers to move freight from a consignor to a consignee may be compared to the system used by the Postal Service to collect, transport, and deliver mail; although the quantity per package may be different, the special handling required for hazardous materials in either system is quite similar.

For motor carriers, packages are picked up from the consignor by a pickup and delivery driver and taken to a pick-up and delivery terminal. These
packages are then consolidated and transported to a regional break-bulk facility
where they are unloaded and reloaded on a trailer destined for another breakbulk facility in the region nearest the consignee. The packages are then offloaded and reloaded on another pick-up and delivery route truck for delivery to
the consignee. In each of these instances of loading the packages of hazardous
materials into the vehicle, the person responsible for loading must ensure that
the packages are properly blocked, braced, and otherwise secured against
movement and segregated as required. If a sufficient quantity of these materials
are loaded on the vehicle, specific markings and placards must be displayed to
communicate the hazards carried. At each facility, packages which contain
hazardous materials are separated from the main stream of other cargo and

stored in a designated hazardous materials storage area pending further transportation. Employees are trained to exercise caution in this storage area and to use only approved tools or devices when handling hazardous materials.

The regulations of several federal and state authorities mandate that carriers must provide training for employees who prepare, handle, or transport hazardous materials in order to ensure that they are aware of the hazards presented by each material, familiar with the methods for protecting themselves from exposure, able to perform specific regulatory compliance functions associated with their jobs, and knowledgeable about methods for handling these cargoes safely. The typical cost of providing this type of training to motor carrier employees is approximately \$15 per hour per employee, with an average of four hours expended for delivering this training to new employees or for meeting every three years the recurrent training requirement.

In spite of this intensive training, accidental releases do occasionally occur during transportation and may result in expensive clean-up and environmental restoration costs. In order to ensure that carriers are able to pay these costs, Department of Transportation (DOT) regulations require that carriers who transport these materials must provide additional insurance coverage, or in the case of self-insured carriers, that they guarantee financial security; this adds to their operational costs.

To prevent dangerous reactions from occurring in the event of an accidental release, the regulations require that certain materials of incompatible hazard classes must be segregated from one another during transportation.

- 1 Regulations for each transportation mode provide specific segregation charts for
- 2 hazardous materials and may also specify special handling requirements,
- including restrictions on the use of mechanized handling tools. See, e.g., 49
- 4 CFR §177.848 and IATA 9.3.
- 5 Based upon my experience, I am aware that hazardous materials
- 6 constitute approximately five percent of all materials offered for transportation.
- 7 However, I also know that these materials constitute a significantly higher
- 8 percentage of a carrier's operational costs. In order to recoup a part of these
- 9 costs, carriers have imposed a surcharge on commodities that are regulated as
- 10 hazardous materials.

11

12

13

#### B. Postal Service Practices and Costs

## In-Office Handling Procedures

- Hazardous Medical Material generally cannot and should not be
- processed on automated equipment; safety considerations generally require that
- its packaging be designed so that it is diverted to the manually-processed
- mailstream by the facer-canceler (if not previously culled out manually).
- Moreover, even relative to other items in the manually-processed mailstream,
- 19 HMM pieces appear to have higher processing costs because employees are
- 20 understandably more cautious in handling them.
- Other Mailable Hazardous Materials are processed, distributed, and
- delivered through the regular mailstream. However, postal employees are

instructed to handle as "outside" pieces all items that are labeled or known to contain such materials. Outside pieces necessarily incur greater handling costs than regular mail.

This does not apply to all medical mailings. Any clinical/diagnostic specimens not required to bear the "Infectious Substance," "Etiologic Agent," or "Etiologic Agent Preparation" labels should be placed in sacks for dispatch and transport. However, it appears that many medical mailings that could be sacked are actually processed and dispatched as outside pieces because postal employees are apprehensive about coming into contact with clinical or diagnostic specimens.

Due to employee concerns about these potentially dangerous substances, handling time is increased.<sup>5</sup> Thanks to comprehensive training and diligent adherence by postal employees to safe handling procedures, the vast majority of these pieces of mail are handled without incident and safely reach the delivery points.

#### Clean-up Costs

Of course, hazardous materials packages occasionally fail during handling and transportation. When they do, high cleanup costs and extended downtime for automated mail handling equipment result. The most serious incidents are

<sup>&</sup>lt;sup>4</sup>See Handbook EL-812 at 13, in LR-PCR-26. "Outside" pieces are handled individually rather than being combined with other parcels in a sack.

<sup>&</sup>lt;sup>5</sup>Recently, due to employee concerns, the Memphis BMC had to institute special handling procedures for all biological materials moved through the facility.

- systematically reported using Form 1770. Reports received regarding incidents
- that occurred between October 1991 and November 1994 are summarized in
- 3 Library Reference PCR-26.

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23.

#### Costs Related to Air Transportation Restrictions

There has been an increase in pilot/airline refusals to carry mail that contains hazardous materials. The prime reason hazardous articles are refused is that the articles fail to comply with acceptance, packaging, labeling, documentation, and other transportation regulations mandated for the safe transport of hazardous substances. Governing regulations are identified within the guidelines set forth by the International Air Transport Association (IATA), International Civil Aviation Organization (ICAO) and Title 49 of the Code of Federal Regulations (49 CFR). Specific procedures for air transport of these articles are outlined in 49 CFR §§171-177. In many instances, articles are denied boarding because they are totally prohibited from transport via passenger aircraft or are not approved as a substance to be transported on a particular airline's FAA Certificate. In addition, the final approval for boarding an item onto a given aircraft is subject to the discretion of the Pilot in Command. Articles that are refused by the airlines must be returned to the AMC/AMF, which must then contact the sender, advise the customer of the airline's refusal, and determine what action should be taken regarding the item. If it is safe to do so, the item must either be returned to sender or forwarded via Domestic Surface Mail. Whether returned or forwarded, the item must be dispatched to the respective

- 1 P&DC or BMC network for transportation to its final destination. The AMC/AMF
- is required to notify the receiving facility of the arrival and need for special
- 3 handling of such articles.

## Required Training

The Postal Service incurs substantial training costs due to the presence of hazardous materials in the mailstream.<sup>6</sup> It has recently instituted a revised and expanded training curriculum for employees who handle hazardous materials in the mail and respond to spill and leak incidents. This training is required by OSHA and the EPA.

The various types and levels of training are summarized in MI EL-810-96
1. The most significant, in terms of number of people and probable overall costs, are the "Awareness" and "Operations" level HAZWOPER First Responder training courses mandated by OSHA.

The "Awareness Level" training is required for mail handlers, supervisors and other employees who frequently handle packages that may contain hazardous materials. This training is provided through the Postal Service Training Network system, and lasts two hours.

The "Operations Level" training is required for maintenance and custodial personnel, supervisors, and other persons designated to manage and clean up incidental spills. This training requires eight hours per employee for initial

<sup>&</sup>lt;sup>6</sup>I understand that Postal Service training costs are generally not "attributed" to individual mail subclasses and special services, but rather are accounted for as institutional costs. Nevertheless, in the private sector the costs of special training related to hazardous materials have become substantial over the past 10 years, and I believe that these costs are one important reason that private sector carriers impose surcharges on such materials, or otherwise charge higher rates for carrying them.

training, with a required annual refresher course of two hours. A smaller number of people must receive a three-day training course, usually conducted at the Technical Training Center in Norman, Oklahoma. In addition, the standard training for window clerks includes a module on postal regulations related to the mailability of various hazardous materials.

### IV. Hazardous Materials Charges Imposed By Other Carriers

In order to recoup a part of the increased operational expenses associated with handling hazardous materials, carriers have imposed a surcharge on those commodities subject to hazardous materials regulations. The amounts of these surcharges may vary. Since the deregulation of the motor carrier industry, competitive discounting based on trade volume is common, making it difficult to determine an average charge which might be attributed to transporting hazardous materials shipments. Research is currently being conducted by the National Motor Freight Classification Conference of the American Trucking Associations to establish a unique classification and rate which would be recommended for hazardous materials and would reflect these additional transportation expenses.

Of the major carriers that transport hazardous materials in small parcels, the Postal Service is the only one that does not currently charge extra for processing these items. Hazardous items travel through the mailstream at whatever postage is required for the indicated class of mail, weight, and distance. United Parcel Service imposes surcharges of \$10.00 (ground) and

1 \$14.00 (air) for transportation of hazardous materials through its system.

Federal Express imposes surcharges of \$10.00 or more depending on the hazard class. These carriers' rates and requirements for customer packaging

According to a current accessorial schedule, RPS charges an additional fee of \$10.00 per shipment, regardless of the hazard class.

and labeling are also widely available on the Internet and in other publications.

Airborne Express imposes a hazardous materials surcharge of \$12.00 per shipment -- \$17.00 if the shipment is packed in dry ice. Diagnostic specimens or infectious substances in Class 6.2 are required to be packaged properly, then placed in a Lab Pack, an outer packaging available for \$0.75 from Airborne Express.

DHL will not accept hazardous materials unless prior authorization has been granted by DHL headquarters. Hazardous materials are only accepted when offered by an approved account and in pre-approved packaging.

Additional charges are based upon any additional handling required

Burlington Air Express imposes a surcharge of \$0.10 per pound for hazardous materials, with a minimum surcharge of \$30 per shipment. Diagnostic specimens are only accepted if they are shipped as hazard class 6.2 infectious substances, even if they do not contain any such substance.

Emery Worldwide imposes a \$50.00-per-shipment hazardous materials surcharge, regardless of the size of the package. All packages must be prepared for air transportation. Infectious substances are subject to the same surcharge as other hazards. Diagnostic specimens not known to contain any

- infectious substances must be packaged in special packaging approved by
- 2 Emery Worldwide to avoid the surcharge. Emery Worldwide only accepts
- diagnostic specimens under the terms of contractual agreements with pre-
- 4 approved accounts.

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

#### V. Classification Criteria

In consultation with postal officials, I have evaluated the proposed surcharge classifications for HMM and OMHM with respect to the classification criteria in Section 2623(c). Since the mail covered by these proposed surcharges imposes additional handling costs on the Postal Service, fairness and equity (criterion 1) for the entire spectrum of mailers are served by the establishment of a classification with an associated surcharge to offset these costs, as compared to the present situation in which these costs are born by mailers of hazardous and nonhazardous material alike. The ability to transport such material through the mail is of considerable value to the sender and recipient, since for many people other options are less convenient and/or more costly (criterion 2). These classifications are desirable to the Postal Service because they permit it to recover the additional costs associated with such mail, and they provide a means of determining the volume of such mail more easily (criterion 5). The proposed classifications may also be desirable to mailers, despite the fact that new surcharges will be imposed, if contrasted to the alternative of prohibiting the mailing of such material (criterion 5). Criteria 3 and 4 (desirability of classifications with different degrees of speed and reliability) are not relevant to these proposals.

## VI. Proposed Surcharges, Pricing Criteria, and Volumes Affected

## A. Proposed Surcharges and Pricing Criteria

The Postal Service is proposing surcharges of \$0.50 per piece for HMM and \$1.00 per piece for OMHM. In consultation with postal officials, I have evaluated these proposed surcharges with respect to the pricing criteria in Section 2622(b).

As described in section III(B), the handling of these materials clearly imposes additional costs on the Postal Service (criterion 3). Although the Postal Service has not been able to quantify these costs, it is my judgment that they are of the same order of magnitude as the proposed surcharges. Indeed, at a cost per workhour of \$30,7 the proposed surcharges of \$0.50 and \$1.00 would translate into one minute and two minutes of time respectively. In addition to the extra costs for routine handling of these materials, there are clean-up costs when spills or leaks occur. I would also note that the posted surcharges of competitors for similar materials are significantly higher.

<sup>&</sup>lt;sup>7</sup>I understand that postal costs per workhour for typical manual operations, including "piggyback" factors for indirect labor and non-labor costs, would be this high or higher.

It promotes fairness and equity (criterion 1) to establish a surcharge
offsetting these costs instead of spreading them over the entire volume of non-
hazardous materials in the mail

The value of service (criterion 2) for mailing these materials is relatively high; HMM pieces generally travel as First-Class, Priority, or Express Mail.

Moreover, the ability to send medical materials through the mail would appear to provide considerable convenience while lowering the total cost for many diagnostic tests. The value of service provided to OMHM is less than that of medical materials because they generally travel as surface parcels, but it is still high given the convenience and relatively low cost of using the mails for such material.

I believe that the effect of these new surcharges on mailers of such materials and on private sector providers of similar services (criterion 4) is acceptable. The overwhelming majority of pieces subject to the \$0.50 medical materials surcharge are expected to be clinical/diagnostic specimens weighing less than a pound and paying \$2.00 - \$3.00 in postage. The level of the HMM surcharge has been set with these typical pieces in mind (although the surcharge will occasionally be paid for heavier Priority Mail pieces). Since these proposed surcharges for hazardous materials effectively raise the cost of shipping such materials via the Postal Service, their impact, if any, on private sector providers of similar services will presumably be beneficial.

As noted above, alternate means of sending and receiving the materials subject to the proposed surcharges are available from private sector providers at reasonable costs (criterion 5).

Criterion 6 (degree of preparation by the mailer and its effect on reducing costs to the Postal Service) does not apply to the material subject to the proposed surcharges.8

The proposed surcharges, though adding a bit of complexity to the schedule, are relatively simple in structure (criterion 7). Criterion 8 (educational, cultural, scientific and informational value to the recipient) does not apply to the material subject to the proposed surcharges.

## B. Volumes Subject to the Surcharges and Financial Impact

I am informed that, because no surcharges currently exist for hazardous materials, the Postal Service has no precise estimate of the volume of such materials it currently handles. While the types of hazardous materials that are mailable have not changed significantly, the volume of such materials in the mail appears to have increased in recent years as the needs of postal customers have evolved and as other carriers have imposed surcharges.

It appears that the current volume of First-Class clinical diagnostic specimens may be on the order of 10 million pieces annually, with perhaps another 500 thousand pieces of Priority medical materials, primarily used

<sup>&</sup>lt;sup>8</sup>Indeed, the material by its nature increases Postal Service costs. Any "preparation" that the mailer performs by using required special packaging only serves to mitigate these cost increases.

needles. See Appendix A. For OMHM, the volume subject to the surcharge has been judgmentally assumed to be about one-half of one percent of Parcel Post volume, or 1.1 million pieces. Because the hazardous materials volumes are a modest percentage of the total volumes in the affected mail classes, the proposed surcharges will not have an appreciable effect on volume or postage revenue in those classes.

#### VII. Conclusion

The proposed surcharges for Hazardous Medical Materials and Other Mailable Hazardous Materials appropriately reflect the additional care and costs that are required to carry such material safely in the mailstream. Surcharges for this material will facilitate the routine collection of data on its volume and costs. The proposed surcharges also move the postal price structure closer to the one that has emerged among competitive private-sector carriers, thereby reducing shippers' incentives to burden the Postal Service with such high-cost mail.

# Appendix A. Volume and Revenue Assumptions

From limited information about individual mailers and/or recipients (as
Business Reply Mail) of hazardous materials, the Postal Service has developed
"round-number" estimates of the volume that might be subject to the HMM
surcharge. It appears that about 10,000,000 pieces are currently carried as
First-Class Mail and another 500,000 pieces as Priority Mail. If the imposition of
the \$0.50 HMM surcharge had no effect on volume, the associated surcharge
revenue would be \$5.25 million. However, some volume reduction is to be
expected. To obtain a rough estimate this effect, the Postal Service has
assumed a price elasticity of -0.8, roughly equal to the Priority Mail price
elasticity, and calculated the volume response as follows:

13		First-Class	Priority	
14	Volume before surcharge (000s)	10,000		500
15	Postage @ 8 oz & 5 lbs	1.93		6.00
16	Postage plus HMM surcharge	2.43		6.50
17	Price ratio	1.259		1.083
18	Volume ratio (1)	0.832		0.938
19	Volume after surcharge (000s)	8,317		469
20				
21	Total HMM surcharge revenue (00	)0s)	4,393	
22				
23	(1) Volume ratio = price ratio ^ ela	sticity		
24				
25				
26				

For materials subject to the OMHM surcharge, information about individual mailers and recipients was insufficient to construct even approximate volume estimates, and for the purpose of revenue estimates, the Postal Service has judgmentally assumed that about 0.5% of Parcel Post volume, or 1.1 million pieces, would be subject to the surcharge.¹ If the imposition of the \$1.00 OMHM surcharge had no effect on volume, revenue would be \$1.1 million. However, as with HMM, some volume reduction is to be expected. For OMHM, the Postal Service has assumed a price elasticity of -1.0, roughly equal to that for Parcel Post, and calculated the volume response as follows:

Two-pound piecesTen-pound pieces

Volume before surcharge (000s) 800 300

10	Two-pound piecesTen-pound pieces				
11	Volume before surcharge (000s)	800	300		
12	Postage (2)	4.54	5.87		
13	Postage plus OMHM surcharge	5.54	6.87		
14	Price ratio	1.220	1.170		
15	Volume ratio (3)	0.820	0.854		
16	Volume after surcharge (000s)	656	256		
17					
18	Total OMHM surcharge revenue (000s):	912			
19					
20	(2) Postage is calculated as Zone 3 Inter-BMC plus non-machinable				
21	surcharge				
22	(3) Volume ratio = price ratio ^ elasticity				
23					

<sup>&</sup>lt;sup>1</sup>Because much Parcel Post volume is originated by households rather than businesses, the Postal Service's estimate of 0.5% does not seem unreasonable, even though it is significantly lower than the 5% figure for private-sector carriers noted in section III(A).